

Model: TLAM-2050-0415-K
**Active Multiplier
 X4, 20-50 GHz, +15 dBm Output Power**
Feature:

- Output Frequency: 20-50 GHz
- Output Power : 15 dBm Typ.
- Low power consumption
- 50 Ohm Matched Input / Output

电气特性 Electrical:

参数Parameter		Min.	Typ.	Max.	单位Units
输出频率 Output Frequency		20		50	GHz
输出功率 Output Power			+15		dBm
输入频率 Input Frequency		5		12.5	GHz
输入功率 Input Power		+12		+18	dBm
供电电压 DC Voltage			+12	+15	V
供电电流 DC Supply Current			130		mA
基波抑制 Fundamental wave suppression	20-23GHz		15		dBc
	23-50GHz		20		
三次谐波抑制 3rd wave suppression	20-23GHz		15		dBc
	23-50GHz		20		

机械特性 Mechanical :

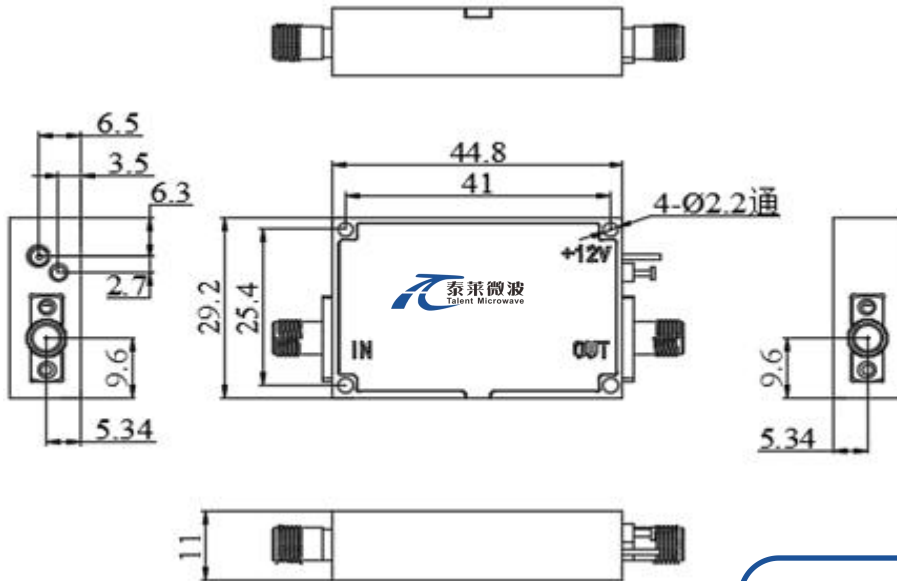
参数Parameter	指标 Value	单位Units
输出接口 Output Connector	2.4mm Female	
输入接口 Input Connector	2.4mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	44.8*29.2*11	mm

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+15V
输入功率 RF Input Power	+18dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

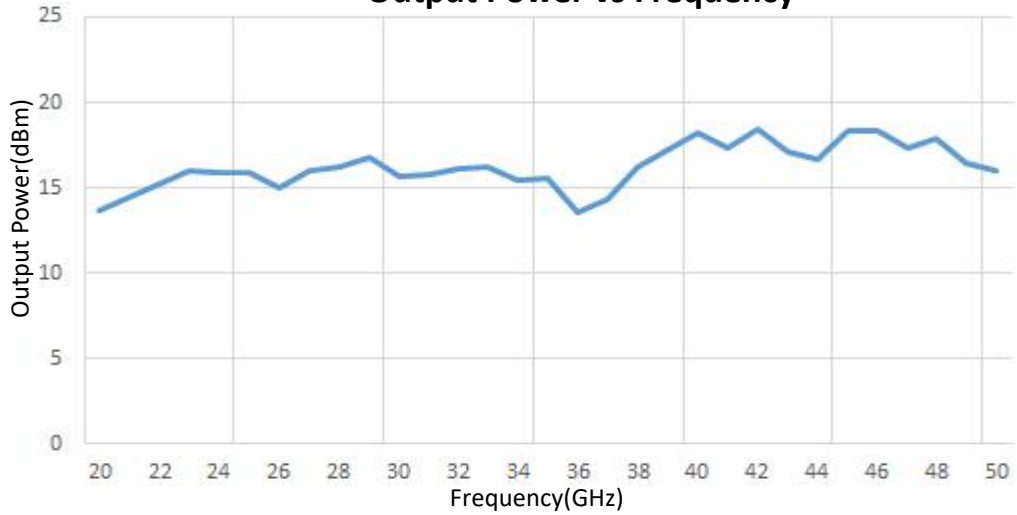
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	0		55	°C
存储温度 Non-operating Temperature	-25		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

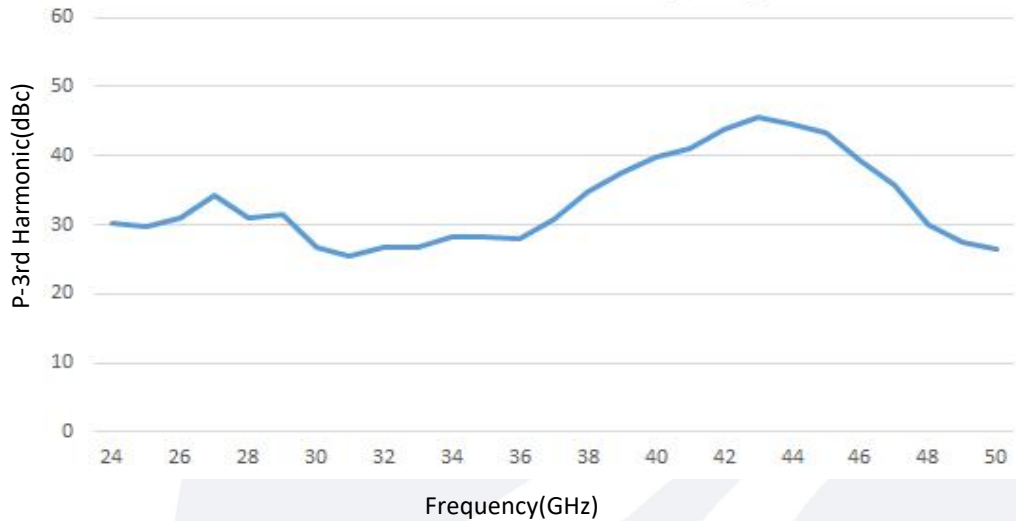
标准型号 Part Number	描述 Description	版本号Revision
TLAM-2050-0415-K	20-50 GHz X4 Active Frequency Multiplier, +15 dBm Output Power, 2.4mm (F) Input Port	Rev.1.1

典型曲线 Typical Performance Data:

Output Power vs Frequency



3rd Harmonic vs Frequency



5th Harmonic vs Frequency

